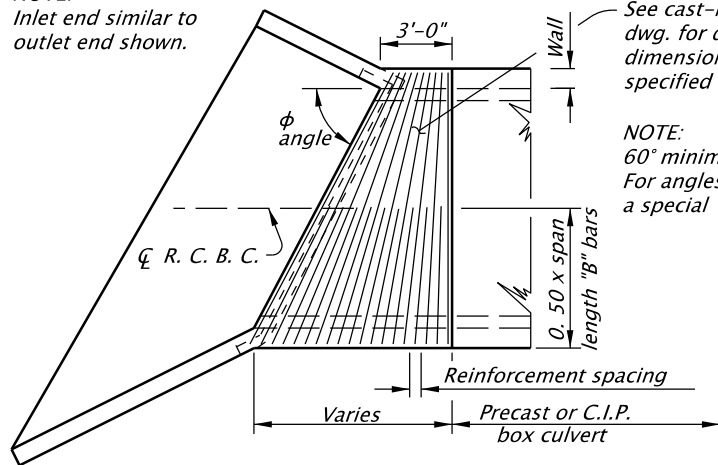


01-JUL-2020

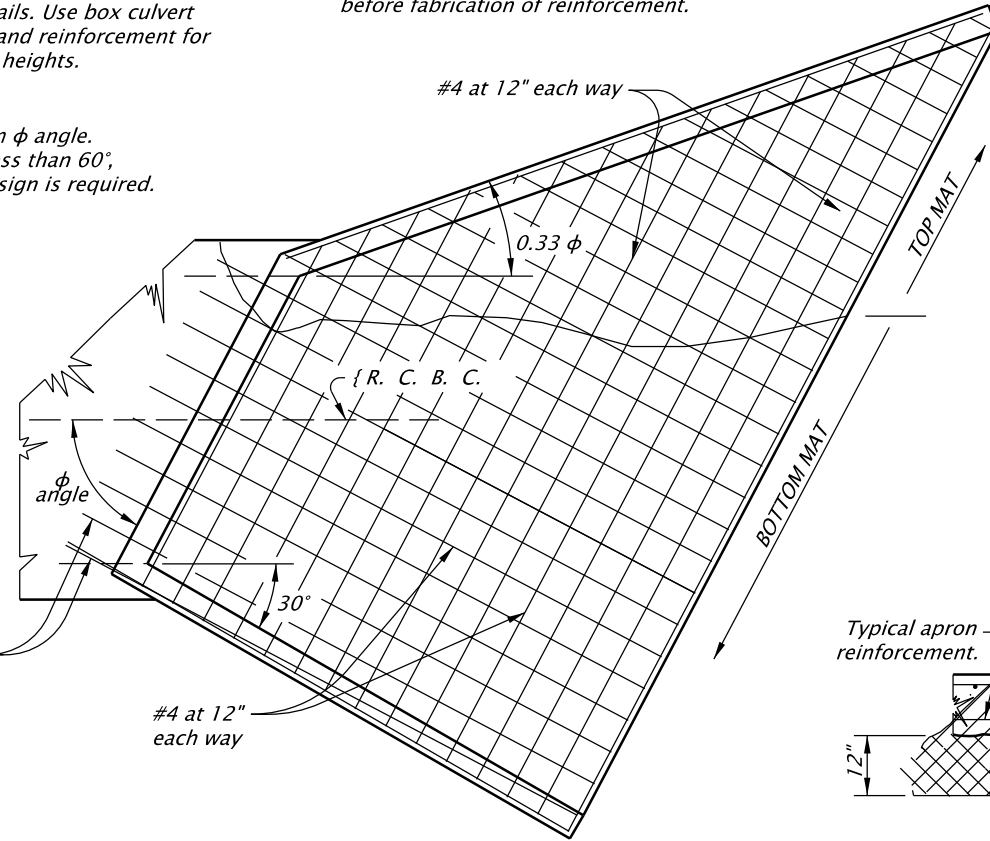
BR800.dgn

NOTE:
Inlet end similar to
outlet end shown.

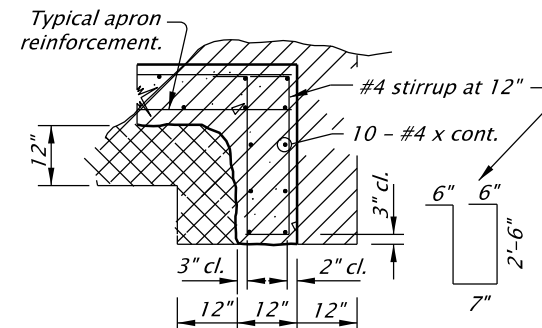


PLAN
CAST-IN-PLACE ENDS
NONE

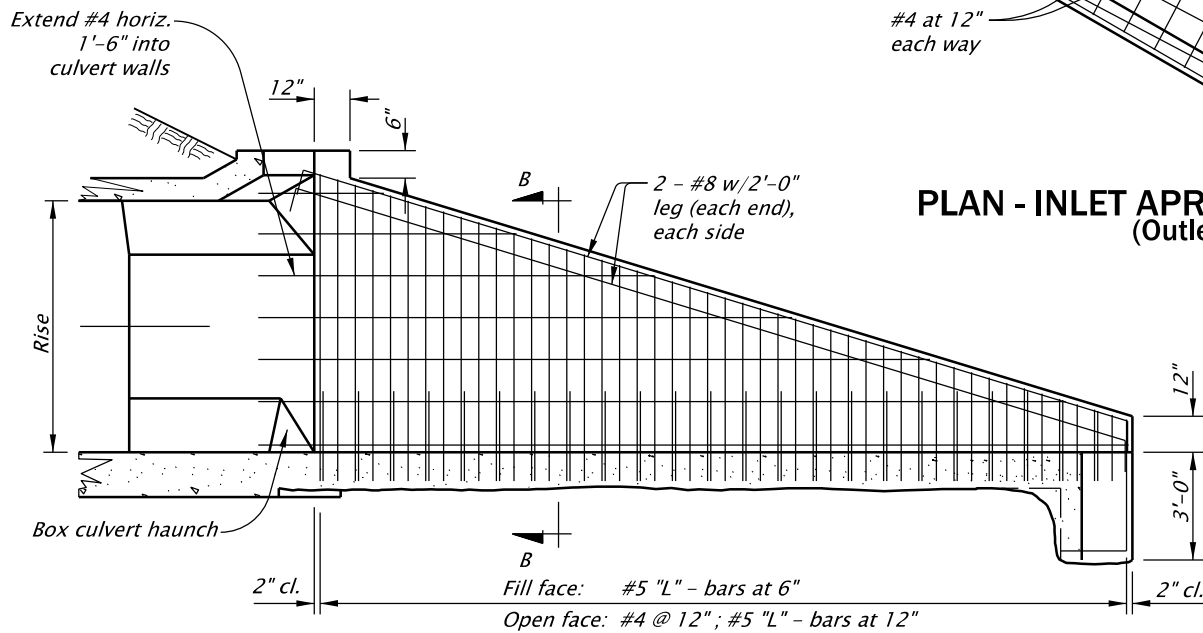
NOTE:
Field verify height and alignment of wingwalls
before fabrication of reinforcement.



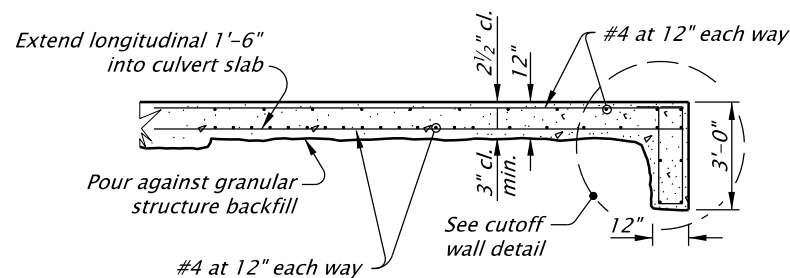
PLAN - INLET APRON REINFORCEMENT
(Outlet Similar)
NONE



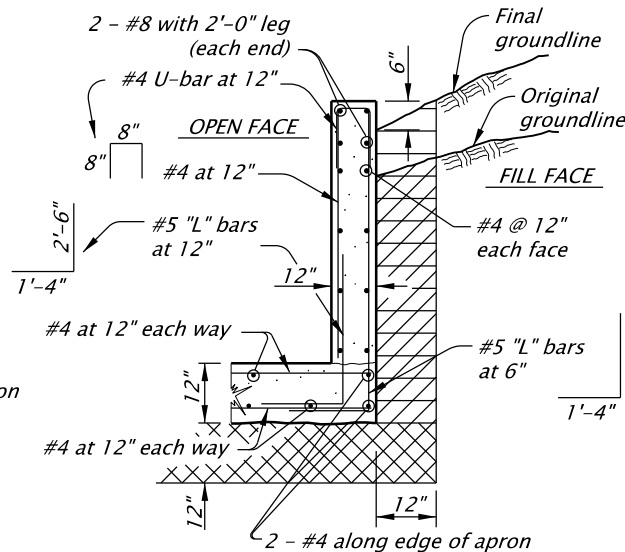
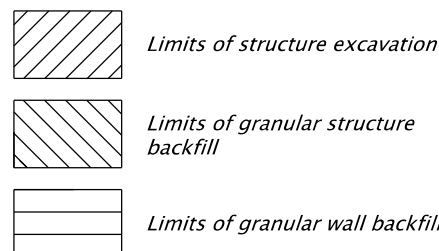
CUTOFF WALL
NONE



INLET WALL REINFORCEMENT (Outlet Similar)
NONE



APRON AND CUTOFF WALL REINFORCEMENT DETAIL
NONE



SECTION B-B
NONE

1½V : 2H FILL SLOPES					
APPROXIMATE CONCRETE QUANTITIES (C. Y.) *					
	RISE				
SPAN	4'-0"	6'-0"	8'-0"	10'-0"	12'-0"
6'-0"	18	26	-	-	-
8'-0"	20	28	39	-	-
10'-0"	-	31	42	55	-
12'-0"	-	-	45	59	74

APPROXIMATE STEEL QUANTITIES (LBS)					
	RISE				
SPAN	4'-0"	6'-0"	8'-0"	10'-0"	12'-0"
6'-0"	2600	3900	-	-	-
8'-0"	2700	4000	5500	-	-
10'-0"	-	4000	5500	7200	-
12'-0"	-	-	5400	7000	8900

*Quantities shown include inlet and outlet wingwalls, parapet and aprons for a 90° ϕ angle.

1V : 2H FILL SLOPES					
APPROXIMATE CONCRETE QUANTITIES (C. Y.) *					
	RISE				
4'-0"	6'-0"	8'-0"	10'-0"	12'-0"	
24	37	-	-	-	
27	40	56	-	-	
-	43	60	79	-	
-	-	63	83	113	

APPROXIMATE STEEL QUANTITIES (LBS)					
	RISE				
4'-0"	6'-0"	8'-0"	10'-0"	12'-0"	
3700	5600	-	-	-	
3800	5600	7900	-	-	
-	5600	7800	10300	-	
-	-	7600	10000	14000	

GENERAL NOTES:

- Construct box culvert walls and wingwalls monolithically.
- See BR820 for additional notes.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS BOX CULVERT WINGWALL DETAILS

2024

DATE	REVISION	DESCRIPTION
CALC. BOOK NO. - - - 6408 - - -	SDR DATE - 01-JUL-2020 -	BR800

Effective Date: June 1, 2026 – November 30, 2026